

## **Focus Area 1: Access to Quality Health Services**

**Objective 1-9c** calls for reduction in the hospitalization rate for immunization-preventable pneumonia and influenza to 8.0 per 10,000 population aged 65 years and over.

Hospital discharge data for 2000 indicates a total of 2,746 discharges among California residents of this age group with a principal diagnosis pneumonia or influenza, which translates to a rate of 7.6 hospitalizations per 10,000 population aged 65 and over (Figure 1-9c, Table 1-9c). During 2001, a total of 1,960 hospital discharges were reported at a rate of 5.2 per 10,000; for 2002 there were 1,720 discharges at a rate of 4.5 per 10,000 population; and for 2003, there were 2,313 discharges at a rate of 5.9 per 10,000 population. This HP2010 objective is being achieved for all Californians aged 65 and over.

Immunization-preventable pneumonia and influenza hospitalization rates for males aged 65 and over (8.4 per 10,000 in 2000, 6.1 per 10,000 in 2001, 5.3 per 10,000 in 2002, and 6.6 per 10,000 in 2003) were from 1.2 to 1.4 times greater than the rates for females (6.9 per 10,000 in 2000, 4.6 per 10,000 in 2001, 3.9 per 10,000 in 2002, and 5.3 per 10,000 in 2003). This HP2010 objective is being met for both females and males in California.

Examined by race and ethnicity, the highest pneumonia and influenza hospitalization rates were found for Whites (6.1 per 10,000 in 2003) and for Blacks/African Americans (6.0 per 10,000 in 2003). The hospitalization rates for Hispanics/Latinos and for Asians/Pacific Islanders were significantly lower. The HP2010 objective was being met for all racial and ethnic populations in California as of 2003, but it is unknown if this target will be achieved for American Indians/Alaska Natives due to the small number of events that occur annually.

For more information on immunization-preventable diseases, visit the CDHS Immunization Branch Web site at:

<http://www.dhs.ca.gov/ps/dcdc/izgroup/index.htm>

and the Preventive Health Care for the Aging Program Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/Gerontology/PHCA/index.htm>

For more information on Healthy People 2010 objective 1-9c, please visit:

[http://www.healthypeople.gov/Document/HTML/Volume1/01Access.htm#\\_Toc489432815](http://www.healthypeople.gov/Document/HTML/Volume1/01Access.htm#_Toc489432815)

and

<http://www.healthypeople.gov/Document/html/tracking/od01.htm#clinicalprev>

**Figure 1-9c**  
**Pneumonia and Influenza Hospitalization Rates**  
**Among Persons Aged 65 and Over**  
**California, 2000-2003**

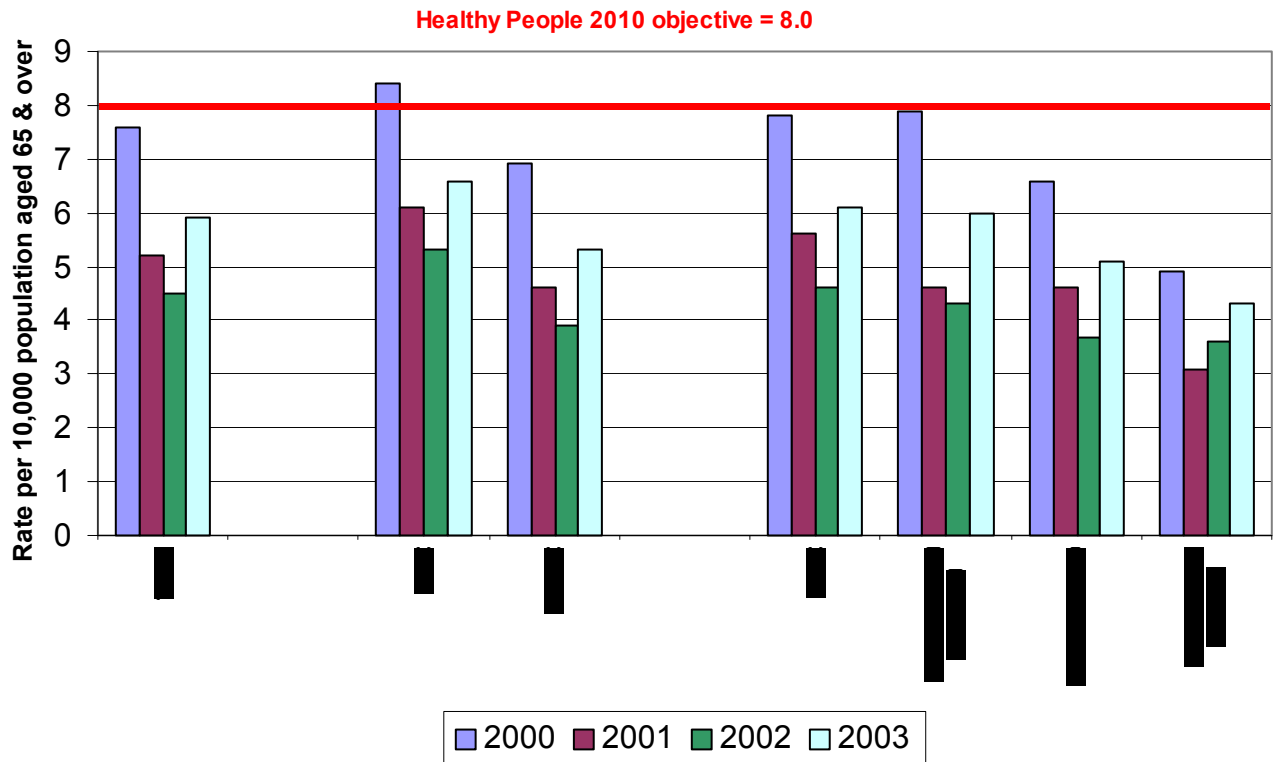


Table 1-9c

Pneumonia and Influenza Hospitalization Rates Among Persons Aged 65 and Over  
California, 2000-2003

Immunization-Preventable Pneumonia and Influenza Hospitalizations*	2000				2001			
	N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Healthy People 2010 Objective 1-9c</b>		<b>8.0</b>				<b>8.0</b>		
<b>CALIFORNIA TOTAL</b>	2,746	7.6	7.3	7.9	1,960	5.2	5.0	5.5
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	DSU	DSU	—	—	DSU	DSU	—	—
Asian/Pacific Islander	181	4.9	4.2	5.6	122	3.1	2.5	3.6
Black/African American	144	7.9	6.6	9.1	89	4.6	3.7	5.6
Hispanic/Latino	316	6.6	5.8	7.3	234	4.6	4.0	5.1
White	1,997	7.8	7.5	8.2	1,444	5.6	5.3	5.9
<b>Gender</b>								
Female	1,458	6.9	6.6	7.3	986	4.6	4.3	4.9
Male	1,288	8.4	8.0	8.9	974	6.1	5.8	6.5

Immunization-Preventable Pneumonia and Influenza Hospitalizations*	2002				2003			
	N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Healthy People 2010 Objective 1-9c</b>		<b>8.0</b>				<b>8.0</b>		
<b>CALIFORNIA TOTAL</b>	1,720	4.5	4.3	4.7	2,313	5.9	5.6	6.1
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	DSU	DSU	—	—	DSU	DSU	—	—
Asian/Pacific Islander	151	3.6	3.0	4.2	187	4.3	3.6	4.9
Black/African American	85	4.3	3.4	5.2	124	6.0	5.0	7.1
Hispanic/Latino	202	3.7	3.2	4.2	296	5.1	4.5	5.7
White	1,222	4.6	4.4	4.9	1,628	6.1	5.8	6.4
<b>Gender</b>								
Female	852	3.9	3.6	4.1	1,194	5.3	5.0	5.6
Male	868	5.3	4.9	5.6	1,119	6.6	6.2	7.0

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2003;

CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: \* ICD-9-CM code 481 or 487 in the Principal Diagnosis field of the discharge record;

DSU = Data Statistically Unreliable.

<sup>1</sup> Rate per 10,000 population aged 65 and over.